

INTERNATIONAL SEARCH REPORT

Inten I Application No

PCT/EP2004/009779

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B60P1/64 B65D88/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B60P B85D B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 2 892 556 A (LOWE ROY E) 30 June 1959 (1959-06-30) column 1, lines 47-65 column 2, lines 19-51; figures 1,2 ----- | 1,2,6,8 |
| Y | GB 1 341 970 A (GLANZSTOFF AG) 25 December 1973 (1973-12-25) the whole document ----- | 1,8 |
| Y | DE 22 39 779 A (MALEMANT BERTRAND MICHEL) 28 February 1974 (1974-02-28) page 5, paragraph 2; claim 1; figures 1,2 ----- | 1,8 |
| A | US 4 392 662 A (HOEGLINGER NORBERT) 12 July 1983 (1983-07-12) the whole document ----- -/- | 1-3 |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

9 December 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | DE 23 48 824 A (STAUFEN FAHRZEUGWERKE EISLINGE) 17 April 1975 (1975-04-17) page 7, paragraph 2 page 12, paragraph 3; figures 1,6 ----- | 1,3,6 |
| A | US 4 875 814 A (WELLER RAYMOND N) 24 October 1989 (1989-10-24) column 4, lines 21-44; figure 2 ----- | 1,5 |
| A | US 3 917 304 A (MAUTZ FRANCES E) 4 November 1975 (1975-11-04) column 3, lines 15-34; figures 1,2,4 ----- | 1,5 |
| A | US 4 834 000 A (DARNELL JAMES ET AL) 30 May 1989 (1989-05-30) abstract column 4, lines 37-39 ----- | 1 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

 Intern I Application No
 PCT/EP2004/009779

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|---|------------------|--|--|--|--|
| US 2892556 | A | 30-06-1959 | NONE | | | |
| GB 1341970 | A | 25-12-1973 | DE AT BE CH FR LU NL | 1962291 A1 314369 B 758426 A1 512346 A 2073662 A5 62073 A1 7017259 A | | 24-06-1971 10-04-1974 16-04-1971 15-09-1971 01-10-1971 11-05-1971 15-06-1971 |
| DE 2239779 | A | 28-02-1974 | DE | 2239779 A1 | | 28-02-1974 |
| US 4392662 | A | 12-07-1983 | IT BE FR GB NL | 1135979 B 889590 A1 2486506 A1 2079728 A ,B 8102835 A | | 27-08-1986 03-11-1981 15-01-1982 27-01-1982 01-02-1982 |
| DE 2348824 | A | 17-04-1975 | DE | 2348824 A1 | | 17-04-1975 |
| US 4875814 | A | 24-10-1989 | NONE | | | |
| US 3917304 | A | 04-11-1975 | US US | 3784054 A RE30191 E | | 08-01-1974 15-01-1980 |
| US 4834000 | A | 30-05-1989 | NONE | | | |